

# INTERNATIONAL SEARCH REPORT

In **national** Application No  
PCT/IB2004/052528

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B01J19/00 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B01J C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MARTIN B D ET AL: LANGMUIR, vol. 16, 11 October 2000 (2000-10-11), pages 9944-9946, XP002316528 page 9944, right-hand column	1,2,4,6, 7
X	Z C LIU, Q G HE, P F XIAO, J X TANG, N Y HE, Z H LU: "Fixation and Shrinkage of Polyurethane Molecular Stamps used for the synthesis of DNA Microarray" IUMRS-ICEM 2002, XIAN, CHINA, 'Online! 10 June 2002 (2002-06-10), pages 433-441, XP002316530 Retrieved from the Internet: URL: <a href="http://nanotechweb.org/d1/nanomaterials/Xian_article_35_was153529.pdf">http://nanotechweb.org/d1/nanomaterials/Xian_article_35_was153529.pdf</a> 'retrieved on 2005-02-04! page 434  -/--	1,2,4-8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

'A' document defining the general state of the art which is not considered to be of particular relevance

'E' earlier document but published on or after the international filing date

'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

'O' document referring to an oral disclosure, use, exhibition or other means

'P' document published prior to the international filing date but later than the priority date claimed

'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

'&' document member of the same patent family

Date of the actual completion of the international search

15 February 2005

Date of mailing of the international search report

07/03/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	<p>&amp; TIEN N.C. &amp; HUANG Q-A: PROC SPIE, 'Online! vol. 4601, October 2001 (2001-10), Retrieved from the Internet: URL:http://adsabs.harvard.edu/cgi-bin/nph- bib_query?bibcode=2001SPIE.4601..412L&amp;db_key=INST&gt; 'retrieved on 2005-02-07!</p>	
X	<p>LEFAUX C.J. &amp; MATHER P.T.: "Hydrogel Contact Deposition of Polymeric Multilayers" 59TH ANNUAL TECHNICAL CONFERENCE, SOCIETY OF PLASTICS ENGINEERS, 'Online! vol. 2, 2001, pages 1896-1900, XP002316531 Retrieved from the Internet: URL:http://www.ims.uconn.edu/{mather/Web%20 Research%20goals%20CL_files/SPE%202001%20 -Preprint%20Contact%20ESA.pdf}&gt; 'retrieved on 2005-02-04! page 1896, right-hand column, last paragraph - page 1897, left-hand column, paragraph 1</p>	1-7
X	<p>US 2002/098364 A1 (BERNARD ANDRE ET AL) 25 July 2002 (2002-07-25) paragraphs '0048!, '0076!, '0083!, '0087!; table 1</p>	1-3,5-7
X	<p>KÜNZLER T H: "Semester Thesis Advanced Microcontact Printing Using New Elastomeric Stamp Materials" 'Online! 4 August 2002 (2002-08-04), ETH ZÜRICH , ZÜRICH , XP002316532 Retrieved from the Internet: URL:http://www.textorgroup.ch/pdf/publicat ions/semestertheses/11/Kuenzler_ST_SS2002. pdf&gt; 'retrieved on 2002-02-03! page 8</p>	1,2,4-8
X	<p>WO 02/099423 A (NANOTYPE GMBH; BLANK, KERSTIN; SPINNLER, KATRIN; MAI, THAO; OESTERHELT) 12 December 2002 (2002-12-12) page 8, paragraph 3</p>	1,2,5-7
X	<p>US 5 948 621 A (TURNER ET AL) 7 September 1999 (1999-09-07) cited in the application column 3, paragraph 1; example 1</p>	1,4-8
X	<p>DE 199 17 327 A1 (INSTITUT FUER MIKROTECHNIK MAINZ GMBH) 2 November 2000 (2000-11-02) column 3, lines 16-29</p>	1,2,5-8
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Int'l Application No  
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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Y	<p>BELL C L ET AL: "Water, solute and protein diffusion in physiologically responsive hydrogels of poly(methacrylic acid-g-ethylene glycol)" BIOMATERIALS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 17, no. 12, June 1996 (1996-06), pages 1203-1218, XP004032658 ISSN: 0142-9612 the whole document</p>	1-8
Y	<p>WARD J H ET AL: "Micropatterning of biomedical polymer surfaces by novel UV polymerization techniques." JOURNAL OF BIOMEDICAL MATERIALS RESEARCH. 5 SEP 2001, vol. 56, no. 3, 5 September 2001 (2001-09-05), pages 351-360, XP002317684 ISSN: 0021-9304 abstract</p>	1-8
A	<p>XIA Y ET AL: "SOFT LITHOGRAPHY" ANGEWANDTE CHEMIE. INTERNATIONAL EDITION, VERLAG CHEMIE. WEINHEIM, DE, vol. 37, 1998, pages 551-575, XP000985399 ISSN: 0570-0833 page 556, right-hand column</p>	1-8
P,X	<p>MAYER MICHAEL ET AL: "Micropatterned agarose gels for stamping arrays of proteins and gradients of proteins" PROTEOMICS, vol. 4, no. 8, August 2004 (2004-08), pages 2366-2376, XP009043500 ISSN: 1615-9853 the whole document</p>	1-8
P,X	<p>KIM Y. S., BAEK S.J., HAMMOND P. T.: "Physical and Chemical Nanostructure Transfer in Polymer Spin-Transfer Printing" ADVANCED MATERIALS, vol. 16, no. 7, 5 April 2004 (2004-04-05), pages 581-584, XP002316529 page 582, left-hand column, paragraph 1</p>	1-8
E	<p>EP 1 491 254 A (MICRONAS GMBH; MICRONAS HOLDING GMBH) 29 December 2004 (2004-12-29) paragraph '0013!; figure 1</p>	1-8

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Information on patent family members

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PCT/IB2004/052528

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